[INCH-POUND]
A-A-59542/4
February 17, 2000

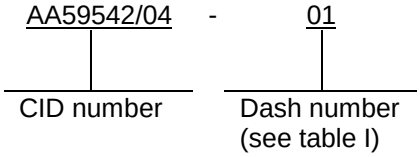
COMMERCIAL ITEM DESCRIPTION

CIRCUIT BREAKER, AUTOMOTIVE BLADE TYPE, LARGE SIZE, MANUAL RESET, 10 AMPERES (A) TO 30A

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. SCOPE. This CID covers the general requirements for large size, manual reset, automotive blade type, circuit breakers designed to protect wiring harnesses in 24 volt dc or 12 volt dc automotive systems. Circuit breakers covered by this CID are intended for commercial/ industrial applications.

2. CLASSIFICATION. This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).



3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. Circuit breakers supplied to this CID shall be as specified herein, and shall meet the requirements of Society of Automotive Engineers (SAE) J553 for manual reset circuit breakers (see figure 1). Manual reset type circuit breakers are identified by the number 1 and shall meet the requirements of SAE J553 for type III, manual reset circuit breakers.

3.2 Ampere rating. The ampere rating shall be as specified in table I.

3.3 Voltage rating. The voltage rating shall be 24 V dc nominal (or less).

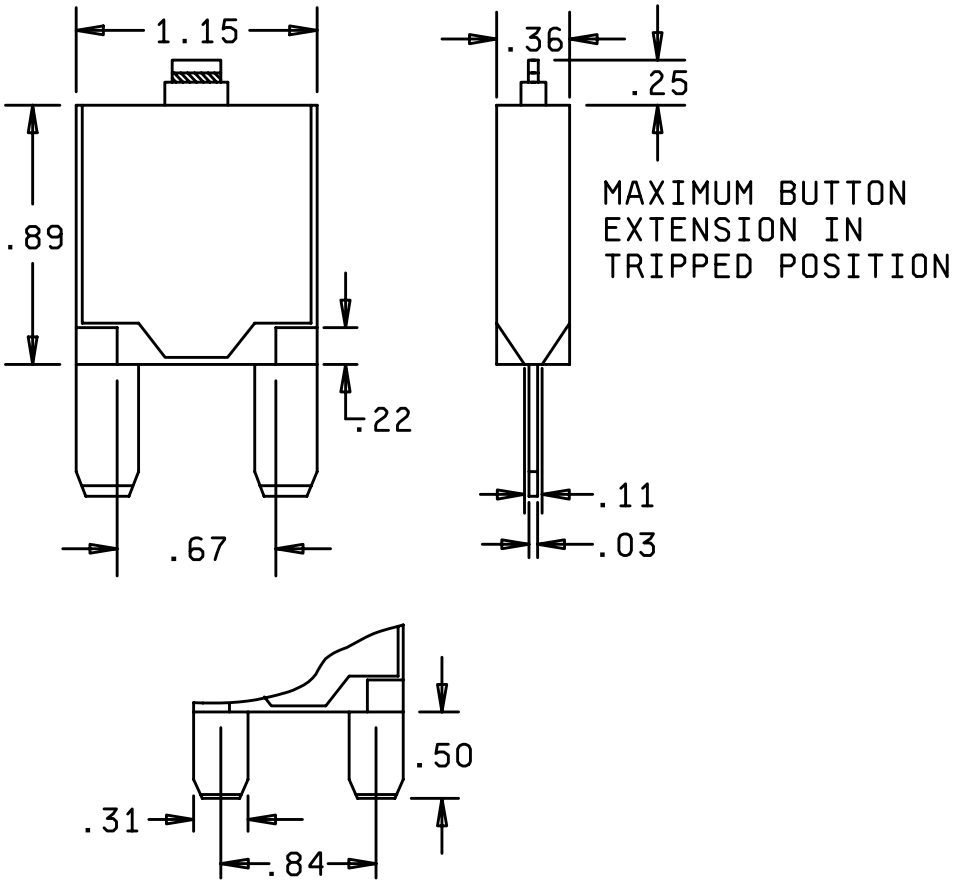
3.4 Operating temperature. -40°F (-40°C) to 185°F (85°C).

3.5 Storage temperature. -40°F (-40°C) to 260°F (125°C).

3.6 Recycled/recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

Beneficial comments (recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43216-5000, ore telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.

AMSC N/A FSC 5925



TERMINAL CONFIGURATION

Inches	mm	Inches	mm
.03	.76	.50	12.70
.11	2.79	.67	17.02
.22	5.59	.84	21.34
.25	6.35	.89	22.61
.31	7.87	1.15	29.21
.36	9.14		

NOTES:

1. Dimensions are in millimeters.
2. Tolerance is ± 0.254 mm (0.01 inch), unless otherwise specified.
3. The US Government preferred system of measurement is the metric SI system. However, this item was originally designed using inch-pound units of measurement. In the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

Figure 1. Configuration and dimensions.

TABLE I. Electrical characteristics.

AA59542/04-	Ampere rating
01	10
02	15
03	20
04	25
05	30
06	35
07	40
08	50

3.9 Marking. Circuit breakers supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN.

4. REGULATORY REQUIREMENTS. This section is not applicable to this CID sheet.

5. QUALITY ASSURANCE PROVISIONS. Quality assurance provisions shall be as specified in A-A-59542.

6. PACKAGING. Packaging shall be as specified in A-A-59542.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these circuit breakers to DSCC under the Military Parts control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of documents.

Commercial Item Description

A-A-59542 - Circuit Breaker, Automotive Blade Type, General Requirements for.

Other Publications

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

J553 - Circuit Breaker, Surface Vehicle Standard.

(Application for copies should be addressed to the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale PA 15096-0001.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

7.4 Ordering data. Ordering data shall be as specified in A-A-59542.

7.5 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

MFR's CAGE	MFR's name and address
11873	Cooper Bussmann - Chicago 7300 W. Wilson Avenue Chicago, IL 60706-4792 (708) 867-4600

7.6 Part number (P/N) supersession data. This CID supersedes the following manufacturers' P/N's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

TABLE II. P/N supersession data.

CID dash number (see table I)	Vendor commercial P/N 1/	
AA59542/04-	MFR's CAGE	MFR's P/N 1/
01	11873	19310-01P-1
02	11873	19315-01P-1
03	11873	19320-01P-1
04	11873	19325-01P-1
05	11873	19330-01P-1
06	11873	19335-01P-1
07	11873	19340-01P-1
08	11873	19350-01P-1

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown.

7.7 Government users. To acquire information on obtaining these circuit breakers from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CS, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7600.

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5925-0287-04